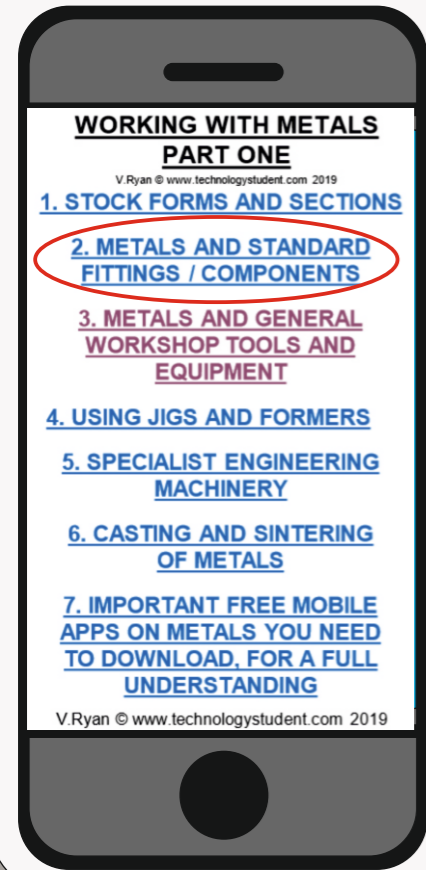


FIRST SET OF SHEETS



MACHINE SCREWS AND BOLTS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.pdf

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 WHY ARE NUTS AND BOLTS USEFUL AS A METHOD OF JOINING?

2 DESCRIBE ONE ADVANTAGE OF USING COUNTERSUNK MACHINE SCREWS.

WHAT IS THE ADVANTAGE OF USING A WING NUT?

3 NAME THE MACHINE SCREWS / BOLTS SHOWN BELOW.
Write your answer in the box opposite.

A:

B:

C:

D:

E:

A: _____

B: _____

C: _____

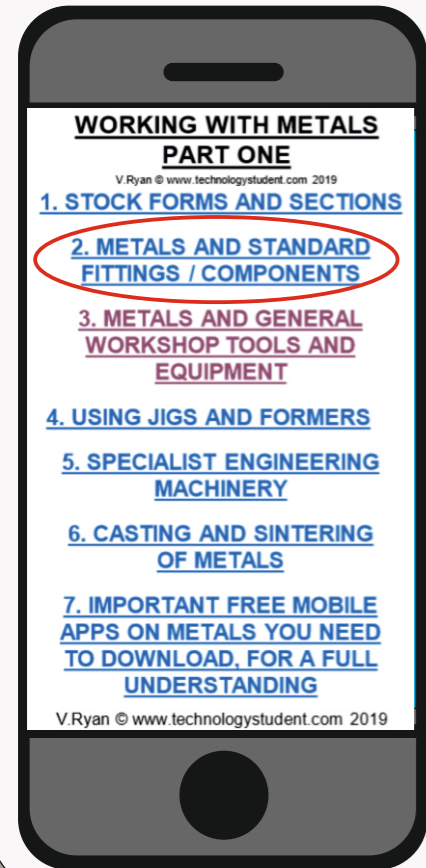
D: _____

E: _____

4 SKETCH A TYPICAL COACH BOLT IN THE SPACE BELOW.

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

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POP RIVETS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

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Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 WHAT IS POP RIVETING AND WHEN IS IT A SUITABLE PROCESS?

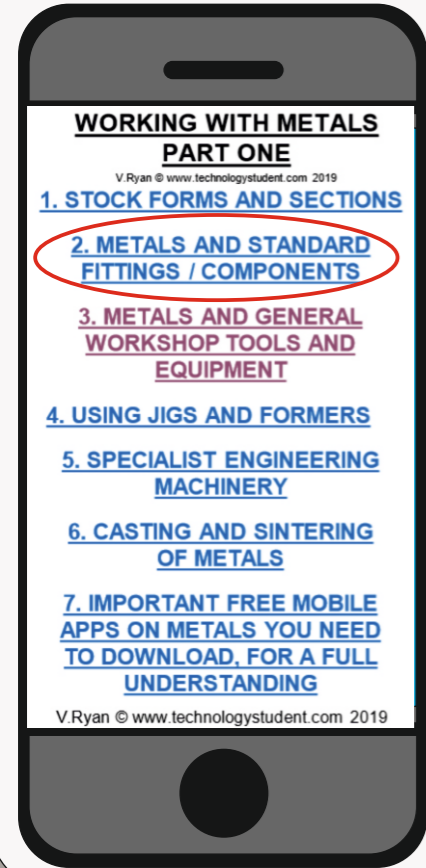
2 PASTE BELOW, ONE IMAGE OF A PRODUCT THAT HAS BEEN POP RIVETED.

3 DESCRIBE THE PROCESS OF POP RIVETING. Write your description in the box opposite.

4 SKETCH A TYPICAL POP RIVET AND A RIVET GUN.

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

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COLD RIVETS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.pdf


Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**


1 WHAT IS COLD RIVETING AND WHEN IS IT A SUITABLE PROCESS?

2 PASTE BELOW, ONE IMAGE OF A PRODUCT THAT HAS BEEN COLD RIVETED.


3 DESCRIBE THE PROCESS OF COLD RIVETING.
Write your answer in the box opposite.




SNAP HEAD



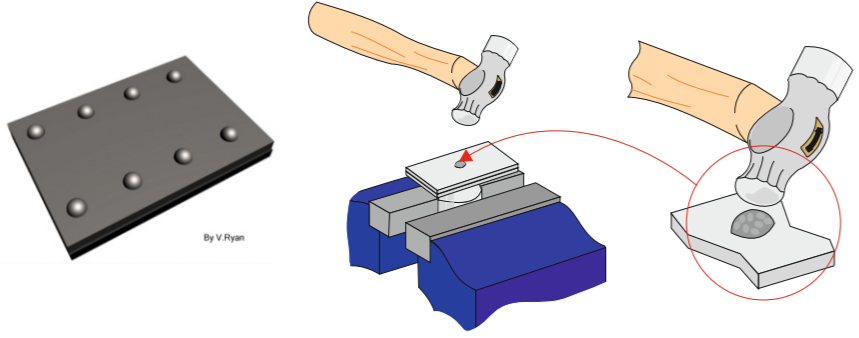
PAN HEAD



MUSHROOM HEAD



COUNTERSUNK HEAD



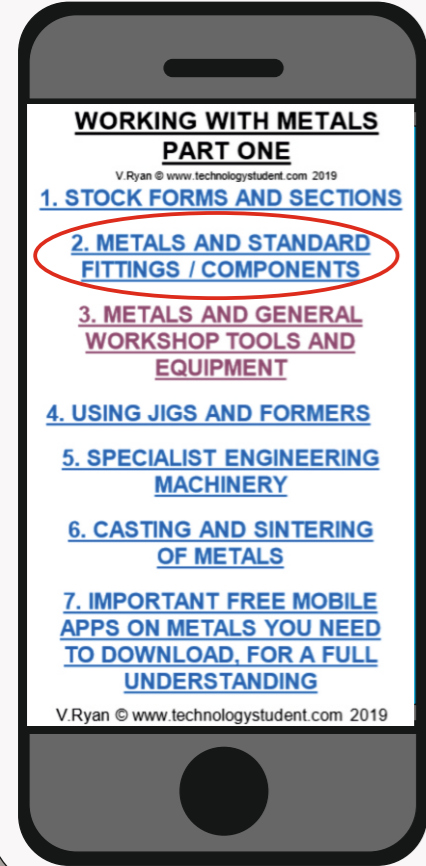
By V.Ryan

➔

4 SKETCH THE FOLLOWING COLD RIVETS:
SNAP HEAD, PAN HEAD, MUSHROOM HEAD AND COUNTERSUNK HEAD.

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

FIRST SET OF SHEETS



PUSH FITTINGS, SPLIT PINS, LOCK NUTS, SELF TAPPING SCREWS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.pdf

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**ARE YOU READY?
USE THE MOBILE App!!**

1

PUSH FITTINGS ARE SOMETIMES USED TO SECURE A SMALL WHEEL TO AN AXIL. SKETCH THIS TYPE OF FITTING.

2

SKETCH ONE TYPICAL USE OF A SPLIT PIN. Include notes / labels.

3

THE IMAGE BELOW, SHOWS A TYPICAL LOCK NUT. EXPLAIN WHY THEY ARE USEFUL.



4

WHEN ARE SELF TAPPING SCREWS USEFUL?

5

SKETCH THE SELF TAPPING SCREW, SHOWN BELOW.

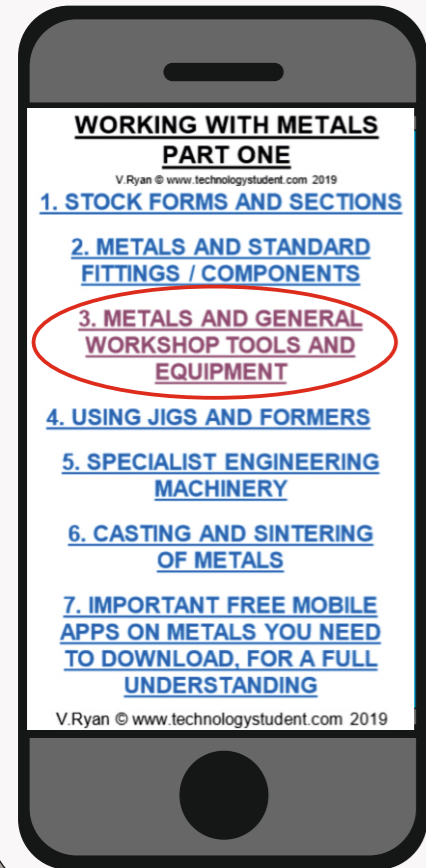
SELF TAPPING SCREW

YOUR SKETCH



HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

FIRST SET OF SHEETS



DRILLING MACHINES, SAWS FOR METAL

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.pdf

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 EXPLAIN THE DIFFERENCE BETWEEN A BENCHTOP DRILL AND A MACHINE DRILL.

NAME A VICE OFTEN USED TO HOLD WORK IN THE HAND, WHEN DRILLING.

2 LIST SAFETY FACTORS THAT APPLY TO THE USE OF A MACHINE DRILL.

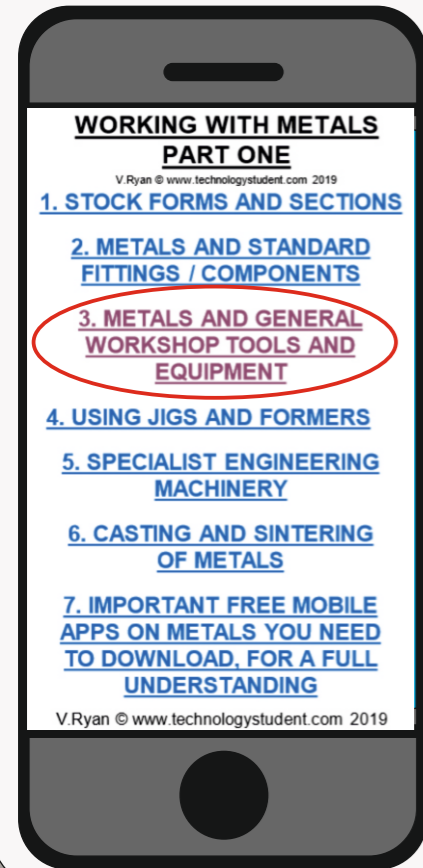
3 IN THE SPACE BELOW, SKETCH A HACKSAW. WRITE SOME FACTS ABOUT THE HACKSAW AND ITS BLADE.

4 NAME THIS PIECE OF EQUIPMENT.

WHAT IS THE PURPOSE / FUNCTION OF THE EQUIPMENT YOU NAMED IN QUESTION 4?

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

FIRST SET OF SHEETS



JUNIOR HACKSAW, CENTRE PUNCH AND FILING

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

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Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 WHEN IS A JUNIOR HACKSAW USED?

STEEL FRAME
BLADE
COVER

2 HOW IS A JUNIOR HACKSAW BLADE CHANGED?

3 COMPLETE THE TABLE REGARDING JUNIOR HACKSAW BLADES, ADDING THE MISSING INFORMATION.

TEETH PER INCH (25mm)	SUITABLE FOR CUTTING
	LARGE SIZES, ALUMINIUM AND OTHER SOFT METALS.
18 TPI	
	FOR CUTTING STEEL PLATE UP TO 5/6mm.
32 TPI	

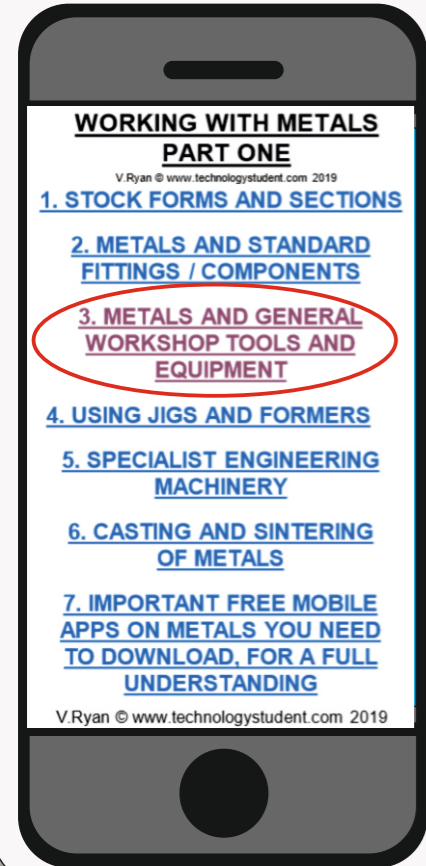
4 WHEN IS A CENTRE PUNCH NEEDED AND HOW IS IT USED?

5 WHAT IS THROUGH FILING?

WHAT IS DRAW FILING?

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf

FIRST SET OF SHEETS



BUFFING / POLISHING MACHINE, BENDING TUBE.

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'MORE COMMON POLYMERS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/processing_metals1.pdf

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1 WHAT IS THE FUNCTION OF A BUFFER / POLISHING MACHINE?
HOW IS IT USED?

2 PLACE A TICK or CROSS ALONGSIDE THE DRAWINGS SHOW CORRECT / WRONG USE OF THE BUFFER.

TICK OR CROSS HERE

3 DESCRIBE HOW THE PIPE BENDER SHOWN BELOW, IS USED.

GROOVED BLOCK

ROUNDED CHANNEL

LEVER ARM

4 DESCRIBE THE TECHNIQUE FOR BENDING TUBE, USING A SPRING.
Add a sketch supporting your explanation in the next box

YOUR SKETCH

HELPFUL LINK: http://www.technologystudent.com/mobapps/processing_metals1.pdf